

THERMOPLASTIC POLYURETHANE

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ABSTRACT

10 A thermoplastic polyurethane useful for elastomers,  
elastic fibers and artificial leathers contains a  
polyaddition product of a diisocyanate and a chain  
extender with a liquid polyethercarbonate diol which is a  
reaction product of a carbonate compound with a polyether  
diol having structural units (a)  $-(CH_2)_6-O-$  and at  
least one member of structural units (b)  $-(CH_2)_2-O$  and  
15 (c)  $-(CH_2CH(CH_3)-O-)$ , and in which the units (b) are  
present in an average number (n) of moles of 0 to 5 per  
mole of the units (a), the units (c) are present in an  
average number (m) of moles of 0 to 5 per mole of the  
units (a), and the total average number (n + m) of moles  
20 of the units (b) and (c) is more than 1 but not more than  
5, per mole of the units (a).